

Product Evaluation

RE: Review of Eco-Flex HD Wall

PRODUCT

Eco-Flex HD Wall is a Sound Attenuation Wall manufactured and supplied in Alberta by Champagne Edition Inc. located in Sturgeon County, Alberta. Website: www.eco-flex.com

VENDOR CLAIMS AND INFORMATION

CLAIMS

Eco-Flex HD Wall Attenuation Walls reduces the loudness of traffic noise. It is visually appealing and it preserves aesthetic values and scenic vistas. The panels are UV protective and will not crack or peel. It does not require heavy equipment for installation. It is fire rated and graffiti can be power washed off.

DESCRIPTION

Eco-Flex HD Wall are made of recycled tires panels supported by wood, aluminum or steel posts. Each panel of Eco-Flex HD Wall is 10' in length, 2' high and 3" thick and weigh only 240 lbs. This dimension allows for less post work to accommodate the 10' span. Once the posts are in place, the panel installation process is unmatched. There are no screws to fasten and no heavy equipment required.

POTENTIAL USAGE

Noise barrier Walls along the highways

STANDARDS

ASTM E90-09 Laboratory Measurements of Airborne Sound Transmission Loss of Building Partitions
ASTM C423 Test method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method
ASTM E413 Classification for Rating Sound Insulation

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product.

APPLICABLE STANDARDS

Alberta Transportation have no specifications for sound attenuation.

RECOMMENDATIONS

Eco-Flex HD Sound Attenuation Wall be listed as a Potential Product under Alberta Transportation Products List, Sound Attenuation Wall Systems – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

1. A site-specific structural design based on geotechnical information shall be performed for each individual project and application.
2. Design drawings and construction specifications shall be sealed and signed by a Professional Engineer registered in Alberta.
3. This product must be located according to the clear zone, mitigation strategy and barrier requirements as indicated in the Alberta Transportation Roadside Design Guide.

TRIAL PROJECTS

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